

1641 6/1



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Butcher, et al.

Serial No.: 09/904,045

Case No.: 20709

Art Unit: 1641

Filed: July 12, 2001

For: RADIOLIGAND AND BINDING ASSAY

Examiner: M. Ceperley

**RECEIVED**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

JUL 23 2003  
TECH CENTER 1600/2900

**Amendment and Response to April 18, 2003 Office Action**

Sir:

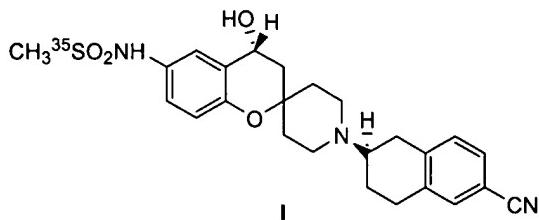
This is in response to the April 18, 2003 Office Action, a response to which is due July 18, 2003. Please amend the application as follows:

In the claims

Cancel Claims 1-4 and 28-40.

Amend Claims 5 and 10 as follows:

5. (amended) A method for characterizing the activity of a compound as an IKr channel blocker comprising contacting the test compound with a membrane containing the IKr channel in the presence of the radioligand compound



or a pharmaceutically acceptable salt thereof,

monitoring whether the test compound influences the binding of the radioligand compound to the membrane containing the IKr channel, and determining the IKr channel blocker activity of the test compound.